

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims:

1. (currently amended) A method for scanning media, the method comprising:
 preview scanning a platen using a dedicated preview image sensor;
 pre-processing image data obtained through the preview scanning of the platen to automatically determine settings to apply during a subsequent final scan; and
 applying the settings obtained during the preview scanning to perform the subsequent final scan of the media at a relatively high resolution using a high-resolution image sensor that is separate from the dedicated preview image sensor, wherein the settings obtained during the preview scanning are automatically performed during the subsequent final scan without receiving commands from a user.
2. (previously presented) The method of claim 1, wherein the settings include detecting black and white versus color of the media and detecting a document size of the media.
3. (currently amended) The method of claim 1, wherein the dedicated preview image sensor is fixed in place within a scanning unit of an imaging device to avoid latency associated with physically moving the preview image sensor back and forth to obtain a scan.
4. (original) The method of claim 1, wherein scanning a platen comprises capturing an image of the entire media using the dedicated preview image sensor instantaneously.
5. (original) The method of claim 1, wherein pre-processing comprises at least one of performing automatic copy type detection, automatic document size detection, automatic skew detection, zoning analysis, background/foreground determination, document classification, template matching, and an ink requirement estimate.
6. (canceled)

7. (previously presented) The method of claim 1, wherein the settings include size of the media and skew of the media.

8. – 16. (canceled)

17. (currently amended) A scanning unit for use in an imaging device, comprising:

a dedicated preview scanning module comprising a first image sensor having a first resolution;

a final scanning module comprising a second image sensor having a second resolution that is higher than the first resolution; and

an image processor that is configured to perform a preview scan using the dedicated preview scanning module, to pre-process image data collected by the dedicated preview scanning module during the preview scan, to determine settings from the image data collected by the dedicated preview scanning module during the preview scan, and to use the settings from the image data collected during the preview scan to perform the final scan using the final scanning module, wherein the settings are automatically determined and performed during the final scan without receiving commands from a user.

18. (currently amended) The scanning unit of claim 17, wherein the dedicated preview scanning module is fixed within the scanning unit so as not to be movable within the unit to avoid latency associated with physically moving the dedicated preview scanning module back and forth to obtain a scan.

19. (original) The scanning unit of claim 17, wherein the dedicated scanning module is displaceable to facilitate scanning.

20. (original) The scanning unit of claim 17, further comprising a platen on which media may be placed, wherein the dedicated preview scanning module is positioned directly opposite the platen such that the first image sensor directly faces the platen.

21. (original) The scanning unit of claim 17, further comprising a platen on which media may be placed, wherein the dedicated preview scanning module is positioned at an angle relative to the platen such that the first image sensor does not directly face the platen.

22. (original) The scanning unit of claim 17, wherein the dedicated preview scanning module further comprises a wide angle lens.

23. (original) The scanning unit of claim 17, wherein the image processor comprises at least one processing algorithm and a buffer.

24. (original) The scanning unit of claim 17, further comprising a light source that is configured to facilitate delivery of reflected light to the first image sensor of the dedicated preview scanning module.

25. (original) The scanning unit of claim 24, further comprising a reflector that is configured to facilitate delivery of reflected light to the first image sensor of the dedicated preview scanning module.

26. (previously presented) The scanning unit of claim 17, wherein first image sensor has a resolution of approximately 30-150 points per inch (ppi) and the second image sensor has a resolution of approximately 600-1200 ppi.

27. (currently amended) An imaging device, comprising:

a scanning unit including a dedicated preview scanning module comprising a first image sensor having a first resolution, a final scanning module comprising a second image sensor having a second resolution that is higher than the first resolution, and an image processor that is configured to perform a preview scan using the dedicated preview scanning module, to pre-process image data collected by the dedicated preview scanning module during the preview scan, to use the image data collected during the preview scan to determine settings to be used to operate the final scanning module, and to perform the final scan using the settings in the final scanning module, wherein the settings are

automatically determined and performed by the final scanning module during the final scan without receiving commands from a user; and

a printing module that is configured to generate hard copy documents from received image data.

28. (original) The imaging device of claim 27, wherein the dedicated preview scanning module comprises a low-resolution image sensor.

29. (previously presented) The scanning unit of claim 28, wherein low-resolution image sensor has a resolution of approximately 30-150 points per inch (ppi).

30. (currently amended) The imaging device of claim 28, wherein the dedicated preview scanning module is fixed within the scanning unit to avoid latency associated with physically moving the dedicated preview scanning module to obtain a scan.

31. (original) The imaging device of claim 27, wherein the final scanning module comprises a high-resolution image sensor.

32. (previously presented) The imaging device of claim 31, wherein the high-resolution image sensor has a resolution of approximately 600-1200 points per inch (ppi).

33. (original) The imaging device of claim 27, further comprising a platen on which media may be placed, wherein the dedicated preview scanning module is positioned directly opposite the platen such an image sensor of the dedicated preview scanning module directly faces the platen.

34. (original) The imaging device of claim 27, further comprising a platen on which media may be placed, wherein the dedicated preview scanning module is positioned at an angle relative to the platen such that an image sensor of the dedicated preview scanning module does not directly face the platen.